



SOT8109-1

Plastic thermal enhanced very very thin Quad Flat package;
no leads; 16 terminals; 0.65 mm pitch; 4.0 mm x 4.0 mm x
0.75 mm body

18 March 2025

Package information

1. Package summary

Terminal position code	B (bottom)
Package type descriptive code	HWQFN16
Package type industry code	HWQFN16
Package style descriptive code	HWQFN (thermal enhanced very very thin quad flatpack; no leads)
Package body material type	P (plastic)
JEDEC package outline code	MO-220
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	18-12-2024
Manufacturer package code	SOT8109
Footprint dimensions (mm)	4.65 x 4.65
Footprint area (mm ²)	21.62
Package dimensions including leads (l x w) (mm)	4 x 4
Package area (mm ²)	16

Table 1. Package summary

Symbol	Parameter		Min	Typ	Nom	Max	Unit
D	package length		3.9	-	4	4.1	mm
E	package width		3.9	-	4	4.1	mm
A	seated height		0.7	-	0.75	0.8	mm
e	nominal pitch		-	-	0.65	-	mm
n ₂	actual quantity of termination		-	-	16	-	

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2. Package outline

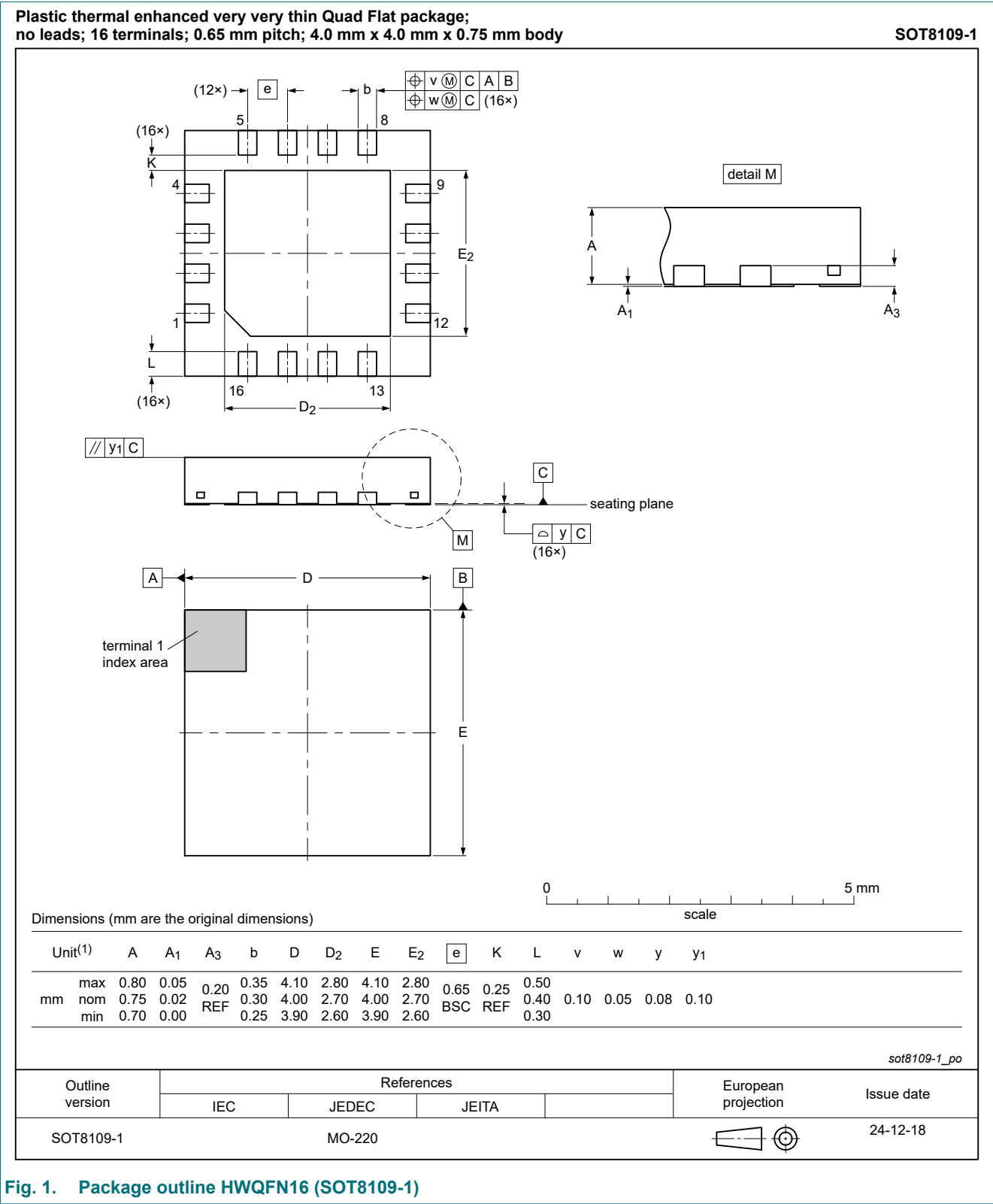


Fig. 1. Package outline HWQFN16 (SOT8109-1)

3. Soldering

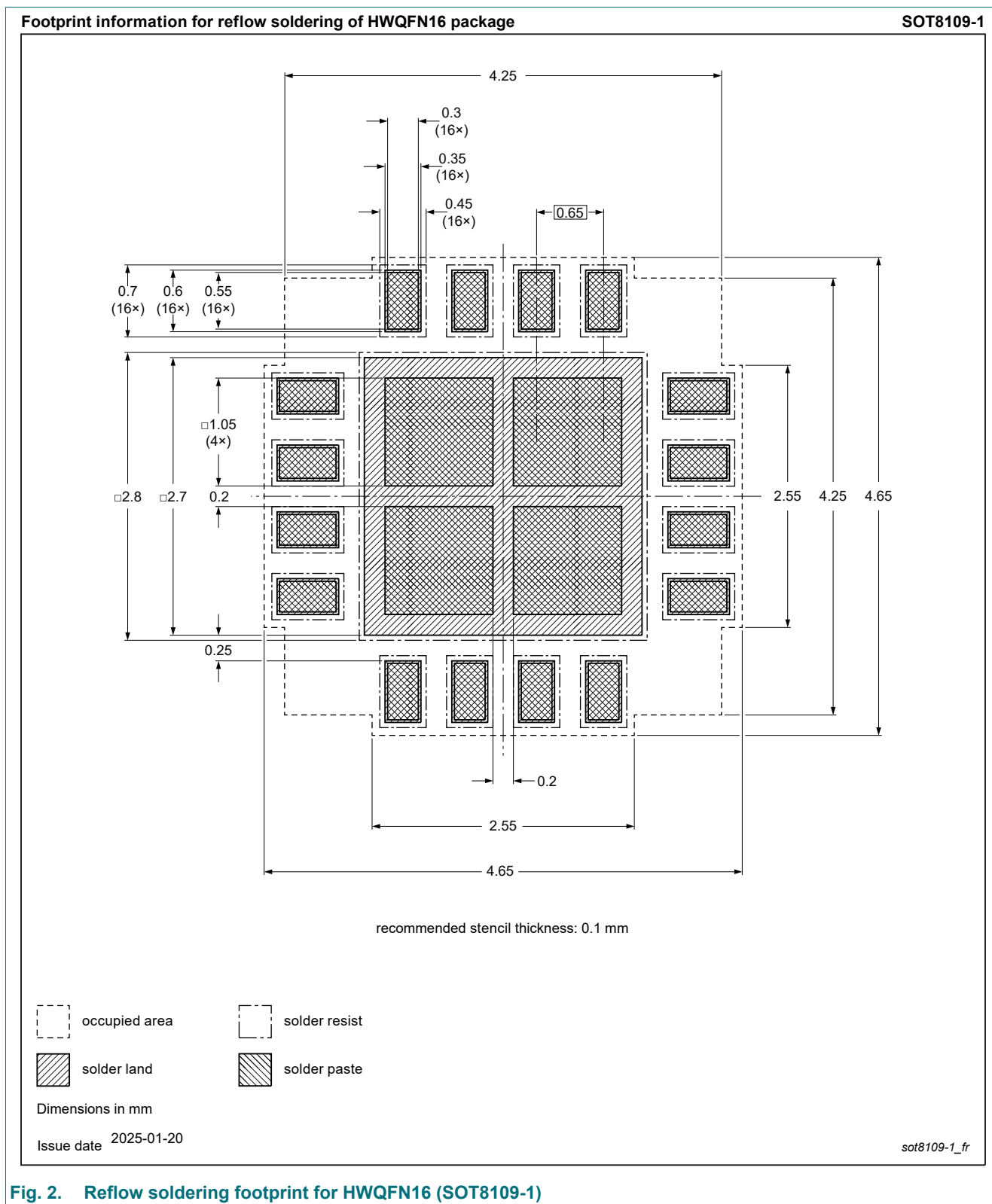


Fig. 2. Reflow soldering footprint for HWQFN16 (SOT8109-1)

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